

## **List of Current Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 7 (Cancelled).

8. (Previously presented) An RF ground antenna comprising:  
at least one antenna reflector panel; and  
a metal reflective sheet mounted on said at least one antenna reflector panel,  
wherein:

- said at least one antenna reflector panel formed as a reinforcing element  
comprising a block of machinable material;

- said block of a machinable material having a machined front surface for  
receiving said metal reflective sheet; and

- said metal reflective sheet being fixed directly to said machined front surface  
of said block of machinable material so as to form a first skin layer of said block of  
machinable material.

9. (Previously presented) The RF ground antenna of claim 8, wherein:  
said metal reflective sheet is adhered on said at least one antenna reflector  
panel.

10. (Previously presented) The RF ground antenna of claim 8, further  
comprising:

- a second skin layer mounted on a rear surface of said block of machinable  
material.

11. (Previously presented) The RF ground antenna of claim 8, wherein:  
said block of machinable material is comprised of a honeycomb core.

Claims 12 and 13 (Cancelled)

14. (New) An RF ground antenna comprising:

at least one antenna reflector panel; and

a metal reflective sheet mounted on said at least one antenna reflector panel,  
wherein:

said at least one antenna reflector panel formed as a reinforcing element  
comprising a block of machinable material;

said block of a machinable material having a machined front surface for  
receiving said metal reflective sheet;

said metal reflective sheet being fixed directly to said machined front surface  
of said block of machinable material so as to form a first skin layer of said block of  
machinable material; and

a plurality of antenna reflector panels are provided with index means provided  
for interlocking the panels together.

15. (New) An RF ground antenna comprising:

at least one antenna reflector panel;

a metal reflective sheet mounted on said at least one antenna reflector panel;  
and

a heating element arranged in at least one groove formed in said block of  
machinable material,

wherein:

said at least one antenna reflector panel formed as a reinforcing element  
comprising a block of machinable material;

said block of a machinable material having a machined front surface for  
receiving said metal reflective sheet; and

said metal reflective sheet being fixed directly to said machined front surface  
of said block of machinable material so as to form a first skin layer of said block of  
machinable material.